



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Dominique ROECKLIN et al.

Group Art Unit: 1634

Application No.: 10/030,937

Examiner: J. MARTINELL

Filed: May 24, 2002

Docket No.: 111664

For: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A
PATHOLOGICAL CONDITION ASSOCIATED WITH A DEGENERATIVE,
NEUROLOGICAL OR AUTOIMMUNE DISEASE

**REQUEST FOR ACKNOWLEDGMENT OF
CONSIDERATION OF DISCLOSED INFORMATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

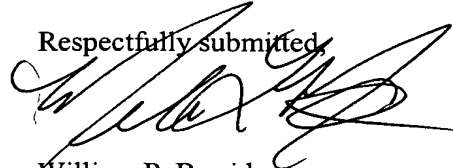
Information Disclosure Statements with Forms PTO-1449 were filed in the above-captioned patent application on June 4, 2002, and June 11, 2002. Copies of the stamped postcard receipts are attached. Applicants have not yet received back from the Examiner copies of the Forms PTO-1449 initialed to acknowledge the fact that the Examiner has considered the cited disclosed information.

The Examiner is requested to initial and return to the undersigned a copy of the subject Forms PTO-1449. For the convenience of the Examiner, copies of the Information Disclosure Statements and references cited therein are attached.

With regard to the references that are in a language other than English, as indicated in the Information Disclosure Statement filed June 4, 2002, references 1-8 were cited in a counterpart foreign application. An English-language version of the Search Report listing these references is attached. In addition, a concise explanation of the relevance of reference 86 is attached.

Should there be any questions concerning this communication, please telephone the undersigned at the number set forth below.

Respectfully submitted,



William P. Berridge
Registration No. 30,024

Melanie L. McCollum
Registration No. 40,085

WPB:MLM/jam

Attachments:

June 4 and 11, 2002 Postcard Receipts
June 4 and 11, 2002 Information Disclosure Statements w/Forms PTO-1449
References Cited therein
Search Report
Concise Explanation of Reference 86

Date: February 1, 2006

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

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The following papers have been filed:

IDS pto 1449 w/ 89 refs & Search Report

Name of Applicant: Dominique ROECKLIN et al.

Serial No.: 10/030,937

Atty. File No.: 111664

Title (New Cases):

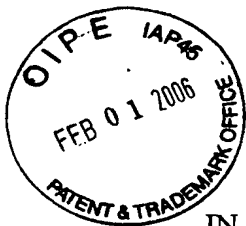
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283/35



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AND RETURNED BY MESSENGER**



PATENT APPLICATION

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In re the Application of

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Application No.: 10/030,937

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INFORMATION DISCLOSURE STATEMENT

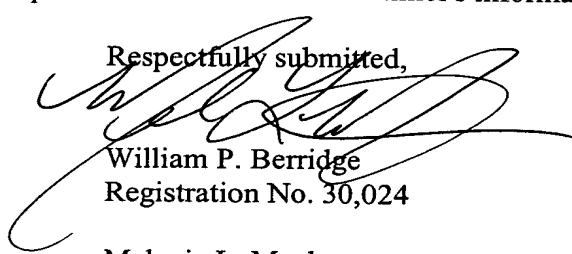
Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language and English language references 4, 6, 9-88 are discussed in the present specification.
- ☒ 3. References 1-8 -were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Respectfully submitted,


William P. Berridge
Registration No. 30,024

Melanie L. Mealy
Registration No. 40,085

WPB:PAC/mlb
Date: June 4, 2002

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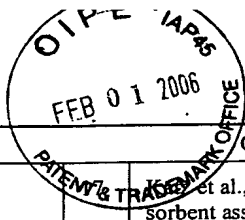
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|---|----|---|------------|---|-------|-------------------------------|--|
| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 111664 | | APPLICATION NO. 10/030,937 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANTS Dominique ROECKLIN et al. | | | |
| | | | | FILING DATE May 24, 2002 | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| | 1 | 5,876,954 | 03/02/1999 | Perron et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | |
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| | 3 | CA 2,214,843 | 04/30/1999 | Canada | | | |
| | 4 | WO 97/33466 | 09/18/1997 | Wipo | | | |
| | 5 | WO 90/07712 | 07/12/1990 | Wipo | | | |
| | 6 | WO 98/11439 | 03/19/1998 | Wipo | | | |
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Date: June 4, 2002



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EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Concise explanation of Reference 86 of the 6/4/02 IDS

This document presents the general features of messenger RNA (mRNA) functions.

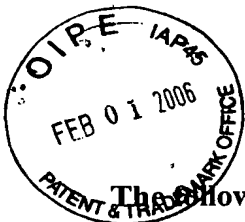
In the first paragraphs, a brief description of mRNA characteristics is made: methylated 5' cap, 3' polyadenylation, metastability and stabilisation by proteins, etc...

Follows a description of splicing processes. mRNA are primarily transcribed directly from DNA with exons and introns. Then, specific sequence tags flanking introns allow the RNA to "hairpin" the intronic parts. These hairpins are subsequently eliminated by a very complex enzymatic cascade involving proteins and small nuclear RNAs (snRNA) that altogether form a catalytic complex in the cell nucleus, called spliceosome. After these intronic hairpins are cut, sequences of contiguous are reassembled by ligation, thus providing a "mature" mRNA (without introns) now ready to cross the nucleus membrane into the endoplasmic reticulum for translation into protein at the ribosomal level.

The last paragraphs provide details on special "spliceosome-like" structures that have also been identified in certain cell types and explain the notion of alternative splicing. Indeed, introns may be excised together with certain exons in a variable manner, apparently controlled by the intracellular concentration of a regulatory protein that differs amongst cell types and conditions. This "alternative splicing" provides "alternatives" to the full-length mature mRNA (with all exons) and can thus generate mRNAs encoding different proteins from the same parental "primary mRNA". This phenomenon is used in eukaryotes but can also be found in viruses, with alternative splicing sites located within viral genes open reading frames or determining the expression of several unrelated protein by producing codon initiation in two of three successive reading frames within the viral RNA sequence.

Therefore, a single gene may encode several proteins with or without common domains (from common exons) through this mechanism of mRNA alternative splicing.

Certified in honest agreement with the original text, by the author of the above-written summary, Hervé Perron.



PTO RECEIPT FOR FILING OF PAPERS

The following papers have been filed:

IDS pto 1449 w/ 2 refs.

Name of Applicant: Dominique ROECKLIN et al.

Serial No.: 10/030,937

Atty. File No.: 111664

Title (New Cases):

Sender's Initials: WPB/mlb

288/43



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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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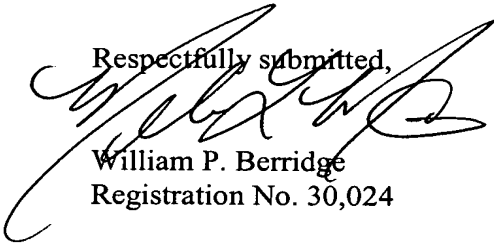
Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

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- ☒ 2. Relevance of the non-English language and English language references 1 and 2 is discussed in the present specification.

Respectfully submitted,


William P. Berridge
Registration No. 30,024

Reg NO
40085

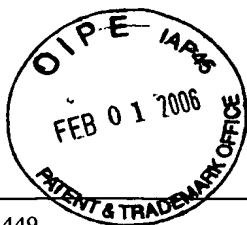
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OLIFF & BERRIDGE, PLC
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Alexandria, Virginia 22320
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111664APPLICATION NO.
10/030,937

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS
Dominique ROECKLIN et al.FILING DATE
May 24, 2002

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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| | 1 | Furst et al., "The complete amino-acid sequences of human ganglioside GM2 activator protein and cerebroside sulfate activator protein", Eur. J. Biochem, pp. 709-714, 1990 |
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